



Replacement Sheet

Title: Optimizing an Exclusion Join Operation Using a Bitmap Index Structure

Inventor: Bhashyam Ramesh

U.S. Serial Number: 10/038,783

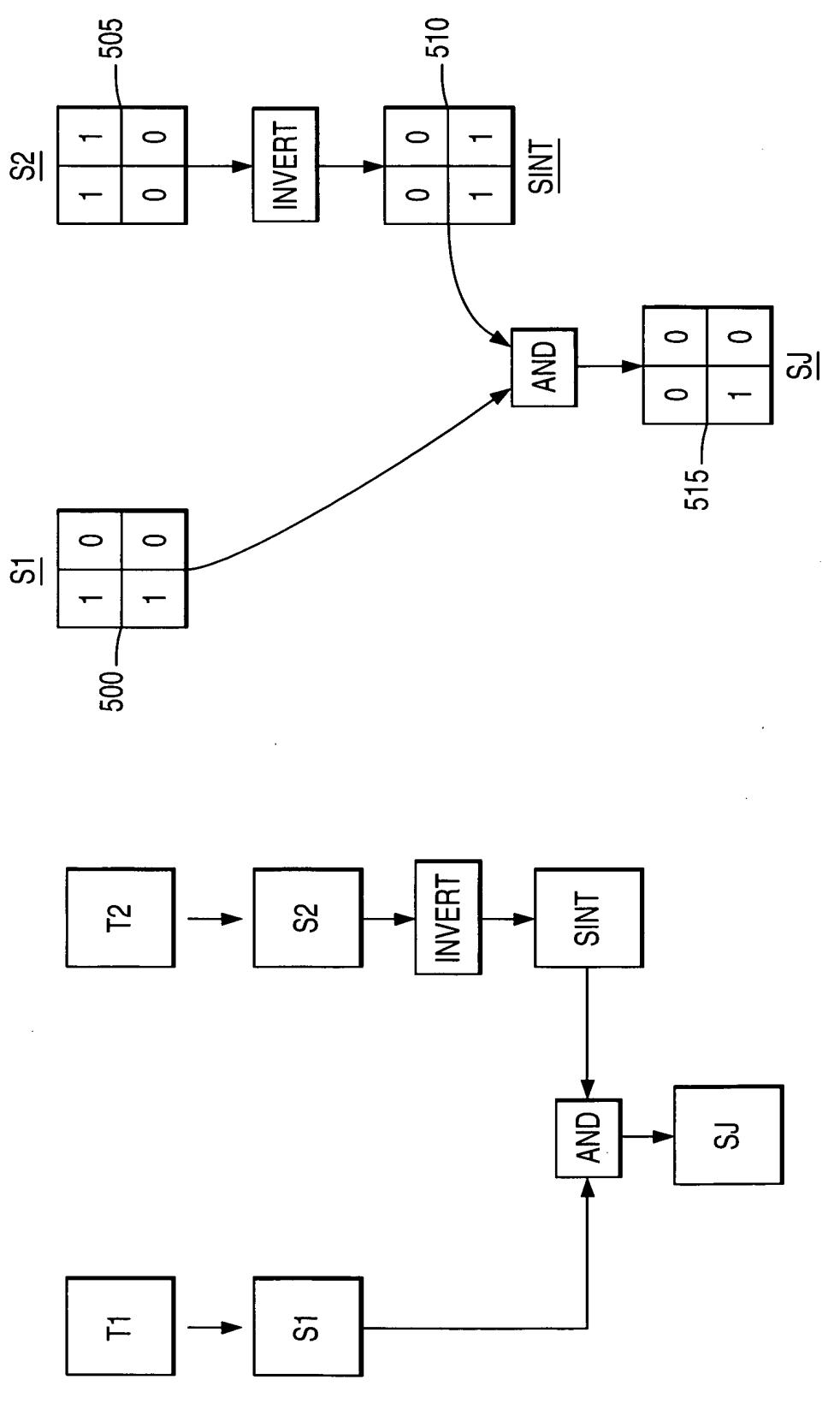


FIG. 5

Replacement Sheet

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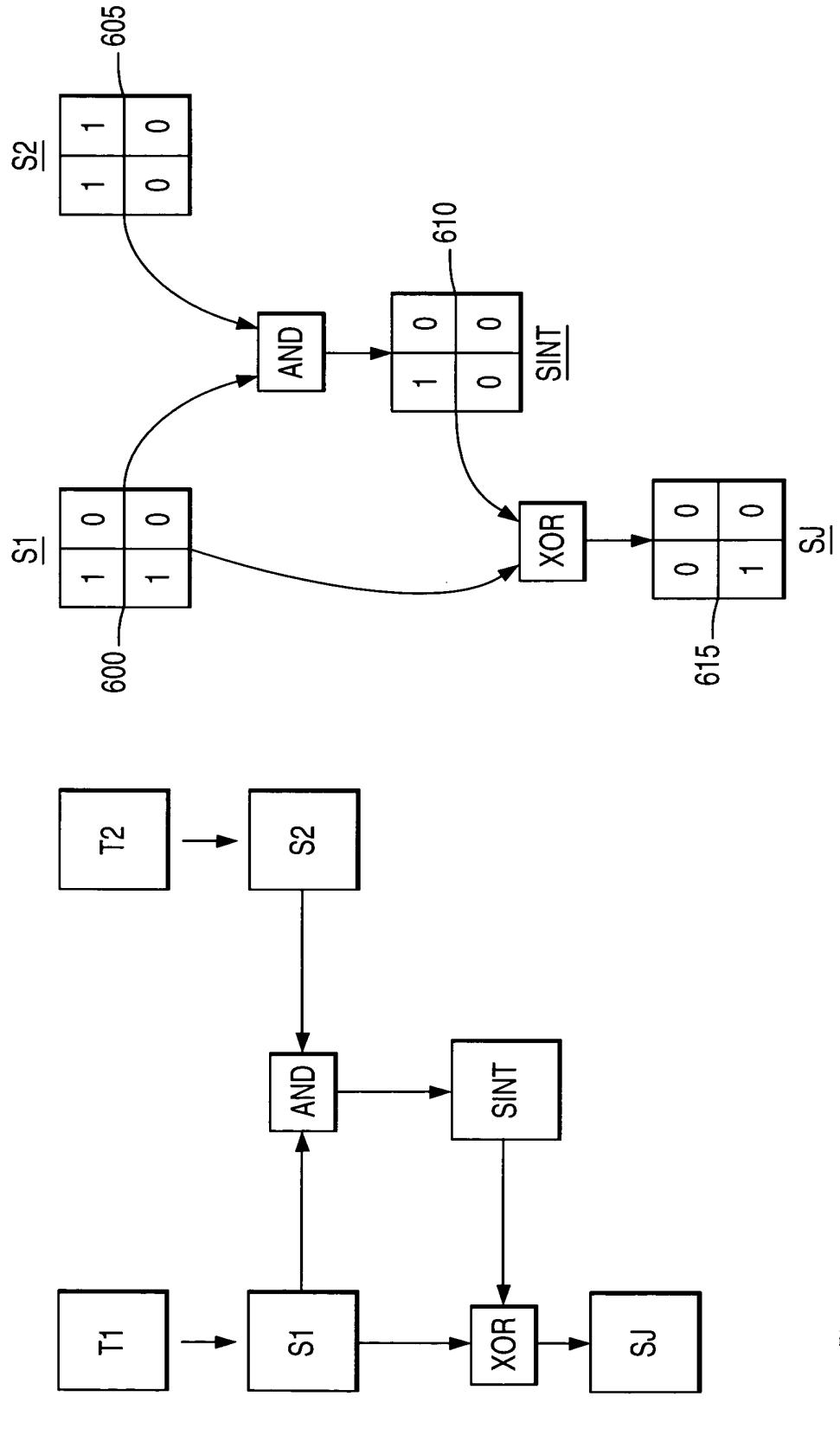


FIG. 6

Replacement Sheet

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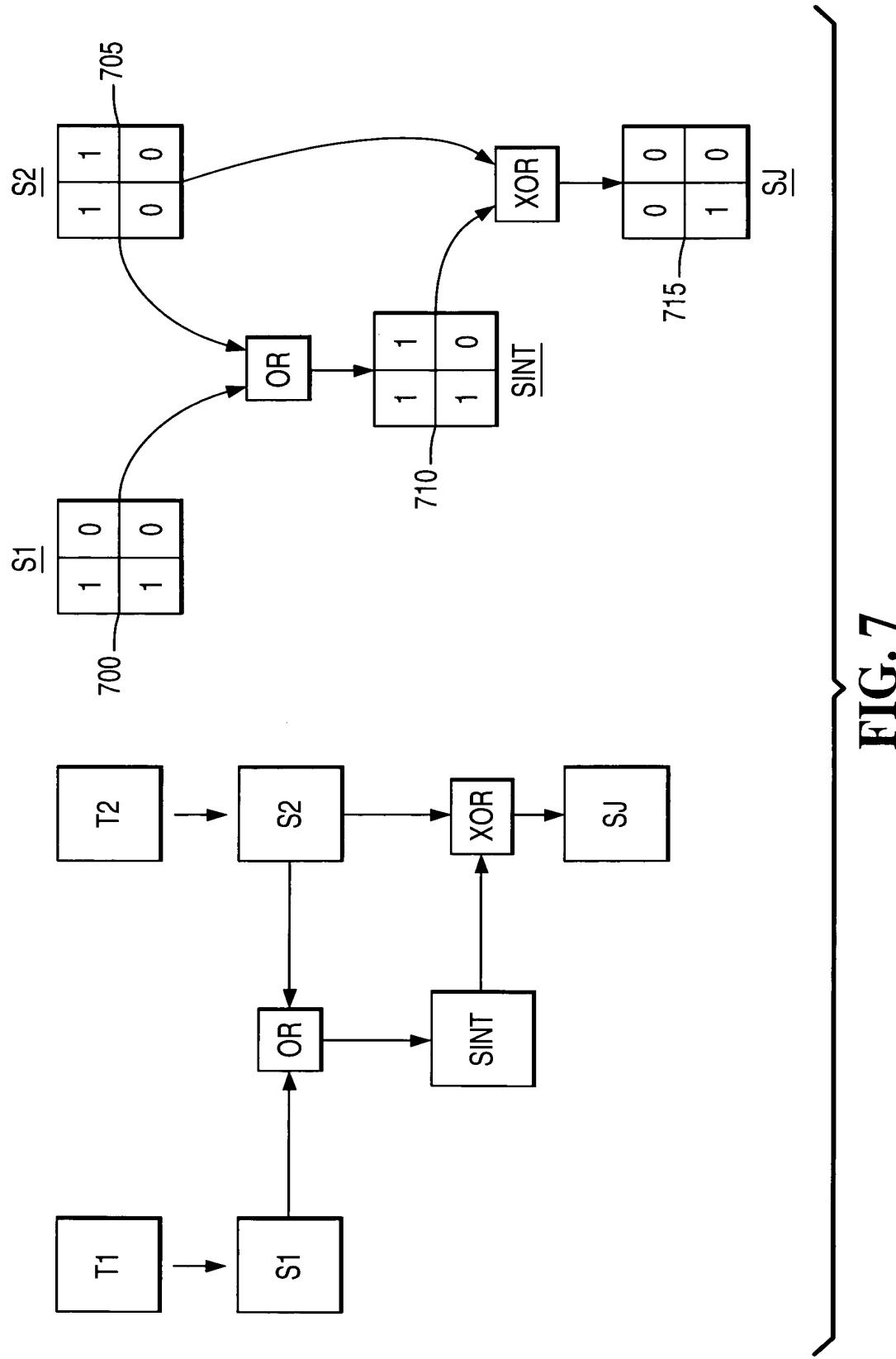


FIG. 7